

CLAIMS

1. A lighting apparatus comprising:
 - a light system producing light of remotely controllable variable wavelength;
 - a controller coupled to said light system which receives signals from a remote device to vary the wavelength of light emitted by said light system;
 - at least one support member;
 - a housing containing said light system and to which said at least one support member is rotatably coupled;
 - a plurality of optical fibre strands supported by respective support members, each strand having a proximal end receiving light from said light system and a length at a distal end extending from its respective support member;
 - a motor supported by said housing; and,
 - a transmission system for imparting motion to said support members from said motor to cause said support members to rotate about one or both of respective first axes that extend collinearly with the length of each of said support members and a common second axis, said second axis being non-coincident with at least one of said first axis.
2. The apparatus according to claim 1 wherein said light system further comprises a plurality of multi-coloured light emitting devices which, when in an ON condition emit light having one of a plurality of wavelengths.

3. The apparatus according to claim 2 wherein each light emitting device is a multi-coloured light emitted diode.

4. The apparatus according to claim 1 wherein said light system comprises:

- a light source;
- a multi-coloured filter through which light from said light source must pass prior to entering said optical fibre strands, said multi-coloured filter having a plurality of sections which filter different wavelengths of light; and,
- a positioning motor for positioning selected sections of said multi-coloured filter in an optical path between said light source and said optical fibre strands.

5. The apparatus according to claim 4 wherein said sections are arranged so that the filtered wavelength of light entering all of said optical fibre strands is the same.

6. The apparatus according to claim 4 wherein said sections of said multi-coloured filter are arranged so that at any time the filtered wavelength of light entering at least two of said optical fibres is different.

7. The apparatus according to claim 4 wherein said multi-coloured filter comprises a shroud within which said light source is disposed.

8. The apparatus according to claim 1 wherein said housing comprises first and second parts which can rotate relative to each other wherein said motor is disposed in said first part and said lighting system is disposed in said second part.

9. The apparatus according to claim 8 wherein said first part is rotationally fixed and said second part comprises an annular wall engaged by said motor to rotate said second part relative to said first part.